

Product Datasheet

Anti-hCG beta 5012 SPRN-5 100368

Product Name	Anti-hCG beta 5012 SPRN-5
Catalog Number	100368
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	CLIA, FIA
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8°C
Note	Binding of antibody 5012 to intact hCG is sterically hindered by the α subunit. Therefore, assays developed with 5012 do not measure intact hCG.
Isotype	IgG1
Clonality	Monoclonal
Epitope	Beta-7 as described in Berger et al. (2013). The antibody recognizes free hCG β subunit.
Purity	≥ 95 %
Affinity constant	$K_A = 1.2 \times 10^9$ 1/M; $K_D = 8.1 \times 10^{-10}$ M (= 0.81 nM)
Associated Products	Native β -hCG antigen, Lee Biosolutions 325-11
Buffer	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	6.3-7.3
Cross Reactivity	Does not recognize intact hCG, hCG α , LH, FSH, or TSH
Specificity	Antibody recognizes human chorionic gonadotropin free beta subunit
Shelf Life	36 months
References	Berger, P., Paus, E., Hemken, P.M., Sturgeon, C., Stewart, W.W., Skinner, J.P., Harwick, L.C., Saldana, S.C., Ramsay, C.S., Rupprecht, K.R., Olsen, K.H., Bidart, J.M. and Stenman, U.H. (2013) Candidate epitopes for measurement of hCG and related molecules: the second ISOBM TD-7 workshop. Tumor Biol., 34: 4033-4057